## WHAT IS CLAIMED IS:

1. An opening and closing system for a power sliding door comprising:

a locking controller alternately transferring driving force of a handle to a door-closed state keeping unit and a door-open state keeping unit in order to control operation of the door-closed state keeping unit or door-open state keeping unit, said controller having a link for locking or releasing the door-open state keeping unit through a cable;

a means for detecting locking and releasing states of the door-open state keeping unit;

a driving means for switching the door-open state keeping unit into the locking state or the releasing state by operating the link; and

an ECU controlling a driving source, which opens or closes the sliding door, by receiving a signal from a door switch and controlling operation of the driving means by receiving a detecting signal regarding the locking state and the releasing state of the door-open state keeping unit from the detecting means.

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2. The opening and closing system for a power sliding door as claimed in claim 1, wherein the link is rotatably fixed to the housing about a hinge shaft and connected to the door-open state keeping unit through a cable, and the driving means is connected to one end of the link so as to rotate the link about the hinge shaft.

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3. The opening and closing system for a power sliding door as claimed in claim 2, wherein the driving means is an actuator having a driving end formed with an elongated hole, into

which a free end of the link is movably inserted.

- 4. The opening and closing system for a power sliding door as claimed in claim 1, wherein the door-open state keeping unit includes a coupling link rotatably coupled with a protrusion of a chassis member, and a locking link rotatably connected to the link through the cable in order to lock or release a coupling state between the coupling link and the protrusion, and the detecting means detects the locking and releasing states of the door-open state keeping unit depending on a rotational position of the locking link.
- 5. The opening and closing system for a power sliding door as claimed in claim 4, wherein the detecting means is a micro-switch, which is installed at one side of the locking link and makes contact with the locking link in order to detect variation of the rotational position of the locking link.
  - 6. The opening and closing system for a power sliding door as claimed in claim 1, wherein the ECU receives a door-close signal from the door switch when the sliding door is in a door-open keeping state, the ECU releases the door-open state keeping unit by operating the driving means if the door-open state keeping unit is in the locking state, and the ECU operates the driving source to close the sliding door.

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